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French

PhD in Chemistry

Education:

Jan. 2014: "Habilitation à Diriger des Recherches", Université Paris-Sud 11, Orsay, France.

Jan. 2004: PhD in organic chemistry at the University of Neuchâtel, Switzerland; title: "*Fullerene functionalized by liquid-crystalline dendrimers: syntheses, properties and supramolecular organizations.*"

PhD thesis awarded by the "Prix Syngenta" for the best thesis in chemistry in 2005.

June 1998: Chemistry degree at the "Université d'Aix-Marseille III", Marseille, France.

Experience:

Since January 2007: Researcher at the "Laboratoire d'Electronique Moléculaire" (now "Laboratoire d'Innovation en Chimie des Surfaces et Nanosciences" since January 2014) at CEA Saclay, France.

Oct. 2004 to Dec. 2006: Post-doctoral position in the group of Prof. Maurizio Prato at the University of Trieste, Italy.

Apr. 2004 to Sept. 2004: Post-doctoral position in the group of Prof. Robert Deschenaux at the University of Neuchâtel, Switzerland.

Apr. 2000 to March 2004: PhD thesis in the group of Prof. Robert Deschenaux at the University of Neuchâtel, Switzerland.

Research activity:

Research topic: chemistry of carbon nanomaterials (fullerene, carbon nanotubes, graphene); porphyrin chemistry, nanomaterials for optic, optoelectronic and energy applications.

Publications: co-author of >100 publications, 8 book chapters and 4 patents. List of 5 relevant publications:

- 1) **Single photon emission from graphene quantum dots at room temperature**, S. Zhao, J. Lavie, L. Rondin, L. Orcin-Chaix, C. Diederichs, P. Roussignol, Y. Chassagneux, C. Voisin, K. Müllen, A. Narita, S. Campidelli, and J.S. Lauret, *Nat. Commun.*, 2018, **9**, 3470.
- 2) **Backside Absorbing Layer Microscopy: Watching Graphene Chemistry**, S. Campidelli, R. Abou Khachfe, C. Amra, M. Zerrad, R. Cornut, V. Derycke, D. Ausserré, *Sci. Adv.*, 2017, **3**, e1601724.
- 3) **Carbon Nanotube-Templated Synthesis of Covalent Porphyrin Network for Oxygen Reduction Reaction**, I. Hijazi, T. Bourgeteau, R. Cornut, A. Morozan, A. Filoramo, J. Leroy, V. Derycke, B. Jusselme, S. Campidelli, *J. Am. Chem. Soc.*, 2014, **136**, 6348-6354.
- 4) **Functionalization of Carbon Nanotubes through Polymerization in Micelles: A Bridge between the Covalent and Noncovalent Methods**, G. Clavé, G. Delpont, C. Roquelet, J.-S. Lauret, E. Deleporte, F. Violla, B. Langlois, R. Parret, C. Voisin, P. Roussignol, B. Jusselme, A. Gloter, O. Stephan, A. Filoramo, V. Derycke and S. Campidelli, *Chem. Mater.*, 2013, **25**, 2700-2707.
- 5) **Efficient Functionalization of Carbon Nanotubes with Porphyrin Dendrons via "Click Chemistry"**, T. Palacin, H. Le Khanh, B. Jusselme, P. Jegou, A. Filoramo, C. Ehli, D. M. Guldi and S. Campidelli, *J. Am. Chem. Soc.*, 2009, **131**, 15394.